

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4075	(604/93.01,523-526or606/108,191,200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/02/04 07:22
L2	5359	(604/93.01,523-526or606/108,191,198,200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/02/04 07:22
S1	16	("4129129" "4639252" "5769828" "5984908" "6152911" "6152912" "D250600" "D287166").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/06 18:10
S2	1812	(604/523).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 10:14
S3	178	(604/527).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/30 14:23
S4	1511	(606/200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/07 14:45
S5	153	S4 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/30 14:26
S6	178	(604/526).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/30 16:21
S7	143	cannula and cage and reinforcement and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 12:39
S8	1812	(604/523).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 10:14

## EAST Search History

S9	34	S8 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 10:47
S10	23	("4003382"   "4133303"   "4357860"   "4564014"   "5242418"   "5334153"   "5360401"   "5391172"   "5425714"   "5445646"   "5458615"   "5571135"   "5578009"   "5591138"   "5653684"   "5674192"   "5695469"   "5755108"   "5882334"   "5893396"   "6062267").PN. OR ("6186999"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 10:16
S11	39	("3308825"   "3606878"   "3623483"   "4099529"   "4111207"   "4158916"   "4228802"   "4246902"   "4282884"   "4321921"   "4513745"   "4589414"   "4601724"   "4603694"   "4620547"   "4651753"   "4767404"   "4777948"   "4850354"   "4955887"   "4961430"   "5031634"   "5042461"   "5106364"   "5176628"   "5226910"   "5250065"   "5261885"   "5269797"   "5285795"   "5290303"   "5439474"   "5569284"   "Re33258").PN. OR ("5693011"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 10:27
S12	22	("3308825").URPN.	USPAT	OR	ON	2006/08/31 10:34
S13	344	(604/524).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 10:46
S14	6	S13 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 10:47
S15	178	(604/526).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 10:47
S16	3	S15 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 10:48

## EAST Search History

S17	0	(S8 S13 S15) and (guard same ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 10:49
S18	46	(S8 S13 S15) and guard	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 10:49
S19	39	("3308825"   "3606878"   "3623483"   "4099529"   "4111207"   "4158916"   "4228802"   "4246902"   "4282884"   "4321921"   "4513745"   "4589414"   "4601724"   "4603694"   "4620547"   "4651753"   "4767404"   "4777948"   "4850354"   "4955887"   "4961430"   "5031634"   "5042461"   "5106364"   "5176628"   "5226910"   "5250065"   "5261885"   "5269797"   "5285795"   "5290303"   "5439474"   "5569284"   "Re33258").PN. OR ("5693011"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:17
S20	1812	(604/523).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 13:17
S21	90	S20 and helical and port	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:20
S22	178	(604/526).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/31 13:20
S23	5	S22 and (side near port)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:23
S24	18	S22 and (aspiration or suction)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:36
S25	1	US-4737153-\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:41
S26	278	catheter and (cage same rings)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 13:42
S27	23	("3308825").URPN.	USPAT	OR	ON	2007/03/07 13:15

## EAST Search History

S28	642	(604/43).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/07 13:16
S29	787	(604/35).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/07 13:16
S30	128	(604/541).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/07 13:44
S31	210	(604/6.16).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/07 13:44
S32	39	("1518211"   "2862498"   "3828767"   "4129129"   "4309994"   "4317452").PN. OR ("4680029"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/07 14:03
S33	1425	(vacuum or aspiration) and venous and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 11:50
S34	114	((vacuum or aspiration) same venous) and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/07 14:09
S35	392	catheter and (vacuum or aspiration or suction) and (cage same wire)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/07 14:46
S36	2	"20040039370"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 11:07
S37	66	("4425908"   "4662885"   "4665918"   "4705517"   "4723549"   "4794927"   "5007926"   "5382261"   "5409019"   "5443500"   "5578075"   "5618299"   "5655548"   "5800525").PN. OR ("5925063"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 12:20

## EAST Search History

S38	265	(604/902).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 11:55
S39	14	("20040267212" "3225763" "5354288" "5616137" "5662619" "6387087").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 12:48
S40	159	(604/532).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 12:57
S41	18	"850084"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 12:57
S42	25	("0876766"   "1148093"   "1755151"   "1944091"   "3308825"   "4002170"   "4068664"   "4230114"   "4307720").PN. OR ("5380245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:02
S43	47	("2742701"   "3136316"   "3426759"   "3528427"   "3958573"   "3963028").PN. OR ("4068664").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:04
S44	3	("3516410"   "4068664").PN. OR ("5489276").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:05
S45	139	(604/268).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 13:05
S46	38	("0530556"   "1698331"   "3000805"   "3324855"   "3758950"   "4083115").PN. OR ("4158916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/13 13:39
S47	788	(604/35).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 13:39
S48	734	S47 and (cage or a filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 13:40

## EAST Search History

S49	188	S47 and (cage or filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/13 13:41
S50	494	(604/118).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/13 13:42
S51	96389	("239").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 18:10
S52	601	S51 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/06 18:25
S53	96389	("239").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 18:25
S54	141	S53 and cage and hose	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/06 18:32
S55	8	("3514040").URPN.	USPAT	OR	ON	2007/07/06 18:30
S56	66	S53 and cage and vacuum	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/06 18:34
S57	4791	((tube or hose) same (vacuum or aspirat\$5)) and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/09 13:08
S58	444	((tube or hose) same (vacuum or aspirat\$5)) same cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/06 18:45
S59	161	(239/214.15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 18:49

## EAST Search History

S60	342	(239/461).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 18:49
S61	14	("0098257"   "0870924"   "2973905"   "3061204"   "3617036"   "4176794").PN. OR ("4390478"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 18:54
S62	355	(433/91).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 19:43
S63	160	(15/422).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 19:52
S64	7	("1698331").URPN.	USPAT	OR	ON	2007/07/06 19:44
S65	36	("1698331"   "2210030"   "2637106"   "2742701"   "3066672"   "3299511"   "3460255"   "3541583"   "4158916").PN. OR ("4265621"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 19:45
S66	15	("1944976"   "2711554"   "2737680"   "2778441"   "3444581"   "3710412"   "3733640"   "4265621"   "4995138"   "5033159").PN. OR ("5791012").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 19:45
S67	777	(d24/112).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/07/06 19:52
S68	9	("3256885"   "3777756"   "4158916"   "4265621").PN. OR ("5015184"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 21:10
S69	73	("4425908"   "4662885"   "4665918"   "4705517"   "4723549"   "4794927"   "5007926"   "5382261"   "5409019"   "5443500"   "5578075"   "5618299"   "5655548"   "5800525").PN. OR ("5925063"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/09 13:07
S70	42753	((tube or hose) same (vacuum or aspirat\$5)) and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/09 13:09

## EAST Search History

S71	277	((tube or hose) same (vacuum or aspirat\$5)) and (distal near4 filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/09 13:09
S72	33	("3224434"   "3342175"   "3526219"   "3727602"   "3785380"   "3889657"   "4243048"   "4249541"   "4393879"   "4655226"   "4680029"   "4794928"   "4815477"   "4838855"   "4857045"   "5011490"   "5030201"   "5073168"   "5087265").PN. OR ("5197485").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/09 13:22
S73	13	("4003504"   "4785997"   "4878930"   "5252210"   "5567323"   "5725364"   "5769321"   "5842639"   "5947137"   "6183224"   "D310117"   "D384676").PN. OR ("6488846").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/09 13:27
S74	356	(433/91).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/09 13:45
S75	0	bandage near "nonwovem"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/09 13:46
S76	39	bandage near "nonwoven"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/09 13:46
S77	23	("3101543"   "3324855").PN. OR ("3758950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/09 16:09
S78	22	("4218782"   "4425908"   "4624822"   "4662885"   "4665918"   "4705517"   "4723549"   "4794927"   "5007926"   "5382261"   "5409019"   "5443500"   "5509930"   "5578075"   "5618299"   "5655548"   "5800525"   "5824046"   "5824054"   "5925063"   "5938683"   "5976172").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 11:43
S79	225	("4739762"   "4740207"   "4877030"   "5007926"   "5133732"   "5135536"   "5344426").PN. OR ("5443500").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 11:46



## EAST Search History

S80	1185	(vacuum or aspiration) and (filter same cage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 11:52
S81	312	(vacuum or aspiration) same (filter same cage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:08
S82	347	"venous cannula" and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:11
S83	160	(15/422).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 12:00
S84	2	"20040267212"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:09
S85	15	"venous cannula" same (aspirat\$4 same filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:12
S86	17	"venous cannula" same (aspirat\$4 same occlu\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:15
S87	1	vacuum near venous near assist	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:15
S88	0	("2004/0039370").URPN.	USPAT	OR	ON	2007/08/18 12:16
S89	21	"5769828"	USPAT	OR	ON	2007/08/18 12:17
S90	23	("4129129"   "4639252"   "5643226").PN. OR ("5769828").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 12:20
S91	84305	("604").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 12:20
S92	2	S91 and (embolism near trap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:20

## EAST Search History

S93	97	S91 and (emboli\$ near3 trap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:23
S94	1681	(venous near (cannula or catheter)) and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:24
S95	586	(venous near (cannula or catheter)) and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:28
S96	59	(venous near (cannula or catheter)) and (cage same prevent)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:29
S97	31	(venous near (cannula or catheter)) and (prevent near occlusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:29
S98	16	("4808163"   "4885003"   "4921484"   "5002560"   "5034001"   "5180368"   "5263963"   "5368555"   "5449372"   "5456667"   "5762624"   "6270490"   "6340356").PN. OR ("6673042"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 12:37
S99	0	(604/280).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 12:40
S10 0	806	(604/35).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 12:40
S10 1	25	S100 and cage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:44
S10 2	17	S100 and basket	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:45
S10 3	453	(604/508).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/08/18 12:53

## EAST Search History

S10 4	165	S103 and occlusi\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/18 12:53
S10 5	40	("3308825"   "3606878"   "3623483"   "4099529"   "4111207"   "4158916"   "4228802"   "4246902"   "4282884"   "4321921"   "4513745"   "4589414"   "4601724"   "4603694"   "4620547"   "4651753"   "4767404"   "4777948"   "4850354"   "4955887"   "4961430"   "5031634"   "5042461"   "5106364"   "5176628"   "5226910"   "5250065"   "5261885"   "5269797"   "5285795"   "5290303"   "5439474"   "5569284"   "Re33258").PN. OR ("5693011"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 13:09
S10 6	3	("3516410"   "4068664").PN. OR ("5489276").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 13:13
S10 7	39	("1518211"   "2862498"   "3828767"   "4129129"   "4309994"   "4317452").PN. OR ("4680029"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/18 13:16
S10 8	30	("3136316").URPN.	USPAT	OR	ON	2007/08/18 13:21
S10 9	1557	(venous near (catheter or cannula)) and (cage or basket or cover)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/19 13:40
S11 0	128	(venous near (catheter or cannula)) and (occlu\$4 same (cage or basket or cover))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/19 13:41
S11 1	254	(heart near tissue) same (vacuum or aspirat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 15:47
S11 2	232	(cannula with venous) and aspirat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 15:58
S11 3	350	(cannula with (vacuum or aspirat\$)) and (protector or cage or spacer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:02

## EAST Search History

S11 4	15	(cannula with (vacuum or aspirat\$)) same (spacer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:03
S11 5	117	((NICHOLAS) near2 (MILLER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/23 16:17
S11 6	1855	(606/200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/23 16:21
S11 7	715	"venous cannula"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:22
S11 8	1	S117 and S115	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:23
S11 9	210	"venous cannula" and (cage or guard or spacer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:23
S12 0	3712	cannula and (vacuum or aspirat\$) and (cage or guard or spacer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/23 16:54
S12 1	817	cannula and (vacuum or aspirat\$) and (cage or guard or spacer) and (venous or "open heart surgery" or venacava)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/24 10:20
S12 2	1704	"Cardiopulmonary bypass" and cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/24 10:43
S12 3	656	"Cardiopulmonary bypass" same cannula	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/24 10:43
S12 4	154	("3490457"   "3938530"   "3946741"   "4660571"   "4699611").PN. OR ("4808163").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/24 10:58
S12 5	546	(604/27).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/24 16:29